

ABSTRACT OF THE DISCLOSURE

A brake module provides a first circuit, a second circuit, and a third circuit of
5 pressurized brake fluid. A first set and second set of brake actuators are operated by
the application of pressurized brake fluid. A first and second fluid separator unit are
integrated between the first and second circuit, and the first and third circuit,
respectively, for substantially preventing any intermixing of pressurized brake fluid
between the first, second, and third circuits. The first and second fluid separator units
10 include a moveable pressure boundary which enables the second circuit and third
circuit of pressurized brake fluid to selectively act upon the first set and second set of
brake actuators in response to the first circuit of pressurized brake fluid acting upon
the first and second fluid separator units. At least one proportional valve selectively
controls the pressurized brake fluid of the first circuit for acting on the first and the
15 second fluid separator units.